

TABLE NO. 1
THIS TABLE APPLIES TO 8" PIPE
FOR OTHER SIZES – INCREASE DIMENSIONS AS SHOWN IN TABLE NO.2 (SHEET 4).

"H" (FEET)	"D" (FT-IN.)	"B" (FT-IN.)	"A" (INCHES)	"C" (INCHES)	REINFORCING BARS					CONCRETE	
					BARS "K"	BARS "L"	BARS "M"	BARS "N"	BARS "T"	FOOT.	PIER
1			6 3/4"	9 9/16"					T-1 5/8" ϕ 4'-10"		
2			7"	9 7/8"					T-2 " 5'-0"		
3	1'-0"	7'-0"	7 1/4"	10 1/4"	18, K-3	8, L-3			T-3 " 5'-3"	1.82	.22
4	1'-3"	"	7 1/2"	10 5/8"	" "	8, L-4	8, 5/8" ϕ X 3'-10"		T-4 " 5'-5"	2.27	.31
5	1'-6"	"	7 3/4"	10 15/16"	" "	" "	" " 4'-10"		T-5 " 5'-8"	2.73	.40
6	1'-9"	"	8"	11 5/16"	" "	" "	" " 5'-10"		T-6 " 5'-10"	3.18	.49
7	1'-3"	8'-0"	8 1/4"	11 11/16"	20, K-7	" "	" " 6'-10"		T-7 " 6'-1"	2.97	.60
8	1'-5"	"	8 1/2"	12"	" "	" "	" " 7'-10"		T-8 " 6'-3"	3.36	.70
9	1'-7"	"	8 3/4"	13 3/8"	" "	" "	" " 8'-10"		T-9 " 6'-6"	3.76	.82
10	1'-9"	"	9"	12 3/4"	" "	8, L-10	" " 9'-10"		T-10 " 6'-8"	4.15	.94
11	1'-5"	9'-0"	9 1/4"	13 1/16"	28, K-11	" "	" " 10'-10"		T-11 " 6'-11"	4.25	1.07
12	1'-6"	"	9 1/2"	13 7/16"	" "	" "	" " 11'-10"		T-12 " 7'-1"	4.50	1.20
13	1'-7"	"	9 3/4"	13 13/16"	" "	" "	" " 12'-10"		T-13 " 7'-4"	4.75	1.35
14	1'-8"	"	10"	14 1/8"	" "	8, L-14	8, 7/8" ϕ X 6'-6"	8, 5/8" ϕ X 9'-10"	T-14 " 7'-6"	5.00	1.50
15	1'-9"	"	10 1/4"	14 1/2"	" "	" "	" " 7'-6"	" " "	T-15 " 7'-9"	5.25	1.66
16	1'-6"	10'-0"	10 1/2"	14 7/8"	28, K-16	" "	" " 8'-6"	" " "	T-16 " 7'-11"	5.56	1.82
17	1'-7"	"	10 3/4"	15 3/16"	" "	" "	" " 9'-6"	" " "	T-17 " 8'-2"	5.87	2.00
18	1'-8"	"	11"	15 9/16"	" "	" "	" " 10'-6"	" " "	T-18 " 8'-5"	6.18	2.18
19	1'-9"	"	11 1/4"	17 7/8"	" "	8, L-19	8, 1" ϕ X 10'-0"	" " 11'-4"	T-19 " 8'-7"	6.49	2.37
20	1'-10"	"	11 1/2"	16 1/4"	" "	" "	" " 11'-0"	" " "	T-20 " 8'-10"	6.79	2.57
21	1'-11"	"	11 3/4"	16 5/8"	" "	" "	" " 12'-0"	" " "	T-21 " 9'-0"	7.10	2.78
22	2'-0"	"	12"	17"	" "	" "	" " 13'-0"	" " "	T-22 " 9'-2"	7.41	3.00
23	1'-11"	10'-6"	12 1/4"	17 5/16"	24, K-23	" "	" " 14'-0"	" " "	T-23 " 9'-5"	7.83	3.22
24	2'-0"	"	12 1/2"	17 11/16"	" "	8, L-24	" " 15'-0"	" " "	T-24 " 9'-8"	8.17	3.46
25	2'-1"	"	12 3/4"	18"	" "	" "	" " 16'-0"	" " "	T-25 " 9'-10"	8.51	3.70
26	2'-2"	"	13"	18 3/8"	" "	" "	" " 17'-0"	" " "	T-26 " 10'-1"	8.85	3.96
27	2'-3"	"	13 1/4"	18 3/4"	" "	" "	" " 18'-0"	" " "	T-27 " 10'-3"	9.19	4.23
28	2'-4"	"	13 1/2"	19 1/16"	" "	" "	" " 19'-0"	" " "	T-28 " 10'-5"	9.53	4.50

NOTE:

BARS "L" AND "K" ARE TO BE BENT IN SHOP. BARS "T" MAY BE BENT AT SITE OF WORK. EACH PIER REQUIRES BARS T-I TO T-H INCLUSIVE (H=HEIGHT OF PIER IN FEET). ALL BARS SHALL CONFORM TO THE REQUIERMENTS OF THE "STANDARD SPECIFICATIONS FOR BILLET STEEL BARS FOR CONCRETE REINFORCEMENT", A.S.T.M. SERIAL DESIGNATION A-15-39. ALL BARS EXCEPT 1/4" ϕ SHALL BE DEFORMED BARS. THE CONCRETE SHALL BE 3000 P.S.I. AT 28 DAYS.

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta



STANDARD DETAILS

STANDARD CUT-WATER PIERS 4 OF 6

REV.

DATE: SEPT 2011

ORIG. DATE: JULY 1984

SCALE: N.T.S.

DETAIL NO. WR-G_PRO02